

## APPENDIX B

### Preliminary Cost Estimates

## Project Cost Summary I-90 Undercrossing

NW Gilman Boulevard to SE 62nd Street <i>(including tee intersection)</i>			
	<i>Design/ Construction</i>	<i>Right-of-way</i>	<i>TOTAL</i>
Alignment #1	\$ 2,216,879.90	\$ 6,022,797.50	\$ 8,240,000
Alignment #2	\$ 2,362,338.08	\$ 5,798,067.50	\$ 8,160,000
Alignment #3	\$ 2,727,329.13	\$ 5,015,472.50	\$ 7,743,000

SE 62nd Street to SE 56th Street			
	<i>Design/ Construction</i>	<i>Right-of-way</i>	<i>TOTAL</i>
Full Width	\$ 1,245,927.90	\$ 2,597,980.00	\$ 3,844,000
Reduced Width	\$ 1,016,466.28	\$ 2,423,190.00	\$ 3,440,000

Project Total			
	<i>Full Width</i>	<i>Reduced Width</i>	
Alignment #1	\$ 12,084,000.00	\$ 11,680,000.00	
Alignment #2	\$ 12,004,000.00	\$ 11,600,000.00	
Alignment #3	\$ 11,587,000.00	\$ 11,183,000.00	

		ALIGNMENT #1			ALIGNMENT #2			ALIGNMENT #3		
ITEM	UNIT	QTY	UNIT	TOTAL	QTY	UNIT	TOTAL	QTY	UNIT	TOTAL
<b>PREPARATION</b>										
MOBILIZATION	L.S.	1	\$31,101.60	\$ 31,102	1	\$39,786.22	\$ 39,786	1	\$53,783.90	\$ 53,784
CLEARING AND GRUBBING	L.S.	1	\$10,000.00	\$ 10,000	1.0	\$10,000.0	\$ 10,000	1.0	\$10,000.00	\$ 10,000
REMOVAL OF STRUCTURE AND OBSTRUCTIONS	L.S.	1	\$2,000.00	\$ 2,000	1	\$3,000.00	\$ 3,000	1	\$3,000.00	\$ 3,000
Total this section:				<b>\$43,102</b>			<b>\$52,786</b>			<b>\$66,784</b>
<b>GRADING</b>										
ROADWAY EXCAVATION INCL. HAUL	C.Y.	390	\$15.00	\$ 5,850	622	\$15.00	\$ 9,330	1,066	\$15.00	\$ 15,990
UNSUITABLE FOUNDATION EXCAVATION INCL. HAUL	C.Y.	25	\$20.00	\$ 500	25	\$20.00	\$ 500	25	\$20.00	\$ 500
GRAVEL BORROW INCL. HAUL	C.Y.	680	\$15.00	\$ 10,200	10	\$15.00	\$ 150	10	\$15.00	\$ 150
EMBANKMENT COMPACTION	C.Y.	1,070	\$5.00	\$ 5,350	688	\$5.00	\$ 3,440	150	\$5.00	\$ 750
Total this section:				<b>\$21,900</b>			<b>\$13,420</b>			<b>\$17,390</b>
<b>DRAINAGE</b>										
STORMWATER TREATMENT FACILITY (Incl. Pond ex and control s	L.S.	1	\$69,100.00	\$ 69,100	1	\$69,100.00	\$ 69,100	1	\$69,100.00	\$ 69,100
Total this section:				<b>\$69,100</b>			<b>\$69,100</b>			<b>\$69,100</b>
<b>STORM SEWER</b>										
CATCH BASIN TYPE 1	EACH	7	\$800.00	\$ 5,600	7	\$800.00	\$ 5,600	8	\$800.00	\$ 6,400
CATCH BASIN TYPE 2 48 IN. DIAM.	EACH	1	\$1,800.00	\$ 1,800	1	\$1,800.00	\$ 1,800	1	\$1,800.00	\$ 1,800
CORRUGATED POLY. STORM SEWER PIPE 12 IN. DIAM.	L.F.	1,215	\$15.00	\$ 18,225	765	\$15.00	\$ 11,475	1,060	\$15.00	\$ 15,900
CORRUGATED POLY. STORM SEWER PIPE 15 IN. DIAM.	L.F.	245	\$23.00	\$ 5,635	155	\$23.00	\$ 3,565	215	\$23.00	\$ 4,945
CORRUGATED POLY. STORM SEWER PIPE 24 IN. DIAM.	L.F.	165	\$35.00	\$ 5,775	105	\$35.00	\$ 3,675	145	\$35.00	\$ 5,075
Total this section:				<b>\$37,035</b>			<b>\$26,115</b>			<b>\$34,120</b>
<b>SURFACING</b>										
SELECT GRAVEL	TON	1,370	\$10.00	\$ 13,700	1,635	\$10.00	\$ 16,350	1,600	\$10.00	\$ 16,000
Total this section:				<b>\$13,700</b>			<b>\$16,350</b>			<b>\$16,000</b>
<b>ASPHALT CONCRETE PAVEMENT</b>										
HMA CL. 1/2", PG 58-22	TON	540	\$40.00	\$ 21,600	640	\$40.00	\$ 25,600	610	\$40.00	\$ 24,400
ASPHALT TREATED BASE	TON	735	\$40.00	\$ 29,400	875	\$40.00	\$ 35,000	835	\$40.00	\$ 33,400
Total this section:				<b>\$51,000</b>			<b>\$60,600</b>			<b>\$57,800</b>
<b>EROSION CONTROL AND PLANTING</b>										
SEEDING, FERTILIZING, AND MULCHING	ACRE	0.2	\$2,000.00	\$ 400	0.2	\$2,000.00	\$ 400	0.2	\$2,000.00	\$ 400
EROSION/WATER POLLUTION CONTROL	EST.	1	\$10,000.00	\$ 10,000	1	\$10,000.00	\$ 10,000	1	\$10,000.00	\$ 10,000
Total this section:				<b>\$10,400</b>			<b>\$10,400</b>			<b>\$10,400</b>
<b>LANDSCAPING</b>										

		ALIGNMENT #1			ALIGNMENT #2			ALIGNMENT #3		
ITEM	UNIT	QTY	UNIT	TOTAL	QTY	UNIT	TOTAL	QTY	UNIT	TOTAL
LANDSCAPING	EST.	1.0	\$12,000.00	\$ 12,000	1.0	\$12,000.00	\$ 12,000	1.0	\$12,000.00	\$ 12,000
				\$ -			\$ -			\$ -
Total this section:		\$12,000			\$12,000			\$12,000		
<b>TRAFFIC</b>										
TRAFFIC SIGNAL SYSTEM / MODIFICATIONS	L.S.	1	\$50,000.00	\$ 50,000	1	\$200,000.00	\$ 200,000	1	\$350,000.00	\$ 350,000
CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	1,560	\$9.00	\$ 14,040	1,920	\$9.00	\$ 17,280	2,495	\$9.00	\$ 22,455
PAINT LINE	L.F.	900	\$0.25	\$ 225	1,000	\$0.25	\$ 250	1,200	\$0.25	\$ 300
PAINTED WIDE LINE	L.F.	380	\$0.75	\$ 285	480	\$0.75	\$ 360	365	\$0.75	\$ 274
PLASTIC STOP LINE	L.F.	80	\$4.50	\$ 360	80	\$4.50	\$ 360	110	\$4.50	\$ 495
PLASTIC TRAFFIC ARROW	EACH	6	\$50.00	\$ 300	8	\$50.00	\$ 400	8	\$50.00	\$ 400
PERMANENT SIGNING	L.S.	1	\$2,000.00	\$ 2,000	1	\$2,000.00	\$ 2,000	1	\$2,000.00	\$ 2,000
ILLUMINATION SYSTEM	L.S.	1	\$26,000.00	\$ 26,000	1	\$32,000.00	\$ 32,000	1	\$42,000.00	\$ 42,000
TEMPORARY TRAFFIC CONTROL DEVICES	L.S.	1	\$5,000.00	\$ 5,000	1	\$5,000.00	\$ 5,000	1	\$5,000.00	\$ 5,000
TRAFFIC CONTROL LABOR	HR	240	\$25.00	\$ 6,000	240	\$25.00	\$ 6,000	320	\$25.00	\$ 8,000
TRAFFIC CONTROL SUPERVISOR	HR	80	\$35.00	\$ 2,800	80	\$35.00	\$ 2,800	120	\$35.00	\$ 4,200
CONSTRUCTION SIGNS CLASS A	S.F.	40	\$20.00	\$ 800	40	\$20.00	\$ 800	40	\$20.00	\$ 800
Total this section:		\$107,810			\$267,250			\$435,924		
<b>OTHER ITEMS</b>										
STRUCTURE EXCAVATION CLASS B INCL. HAUL	C.Y.	180	\$15.00	\$ 2,700	180	\$15.00	\$ 2,700	180	\$15.00	\$ 2,700
SHORING OR EXTRA EXCAVATION CLASS B	S.F.	80	\$10.00	\$ 800	80	\$10.00	\$ 800	80	\$10.00	\$ 800
GRAVEL BACKFILL FOUNDATION CLASS B	C.Y.	10	\$15.00	\$ 150	10	\$15.00	\$ 150	10	\$15.00	\$ 150
WATER	mGAL	33	\$20.00	\$ 655	36	\$20.00	\$ 723	33	\$20.00	\$ 655
CONTRACTOR SURVEY	L.S.	1	\$10,000.00	\$ 10,000	1	\$10,000.00	\$ 10,000	1	\$10,000.00	\$ 10,000
MONUMENT CASE, COVER, AND PIPE	EACH	4	\$300.00	\$ 1,200	2	\$300.00	\$ 600	2	\$300.00	\$ 600
CEMENT CONC. SIDEWALK	S.Y.	485	\$12.00	\$ 5,820	260	\$12.00	\$ 3,120	55	\$12.00	\$ 660
RETAINING WALL	L.S.	1,350	\$30.00	\$ 40,500	N/A	N/A	N/A	N/A	N/A	N/A
ROADSIDE CLEANUP	EST.	1	\$4,000.00	\$ 4,000	1	\$4,000.00	\$ 4,000	1	\$4,000.00	\$ 4,000
OFFSITE IMPROVEMENTS Includes intersection improvements	EST.	1	\$100,000.00	\$ 100,000	1	\$75,000.00	\$ 75,000	1	\$120,000.00	\$ 120,000
Total this section:		\$165,825			\$97,093			\$139,565		

ITEM	UNIT	ALIGNMENT #1			ALIGNMENT #2			ALIGNMENT #3		
		QTY	UNIT	TOTAL	QTY	UNIT	TOTAL	QTY	UNIT	TOTAL
Subtotal Construction				<b>\$531,872</b>			<b>\$625,114</b>			<b>\$859,083</b>
Contingency (20%)				\$106,374			\$125,023			\$171,817

<b>Estimated Project Construction Cost</b>			<b>\$638,246</b>			<b>\$750,137</b>			<b>\$1,030,899</b>
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Right-of-Way Take	S.F.	50,690	\$45.00	\$ 2,281,050	46,150	\$45.00	\$ 2,076,750	30,340	\$45.00	\$ 1,365,300
Right-of-Way Cost Contingency (10%)				\$228,105			\$207,675			\$136,530

<b>R/W Subtotal</b>				<b>\$2,509,155</b>			<b>\$2,284,425</b>			<b>\$1,501,830</b>
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Design Engineering/ Project Management @ 15%				\$ 95,737			\$ 112,521			\$ 154,635
Survey Base Mapping				\$ 5,000			\$ 5,000			\$ 5,000
Geotechnical Engineering				\$ 7,000			\$ 7,000			\$ 7,000
Environmental documentation and permitting				\$ 25,000			\$ 25,000			\$ 25,000
Construction Engineering / Management @ 15%				\$ 95,737			\$ 112,521			\$ 154,635
<b>Estimated Total Project Cost</b>				<b>\$3,375,875</b>			<b>\$3,296,603</b>			<b>\$2,878,999</b>

ITEM	UNIT	QTY	UNIT	TOTAL
PREPARATION				
MOBILIZATION	L.S.	1	\$48,743.32	\$ 48,743
CLEARING AND GRUBBING	ACRE	1.0	\$10,000.00	\$ 10,000
REMOVAL OF STRUCTURE AND OBSTRUCTIONS	L.S.	1	\$2,000.00	\$ 2,000
Total this section:			\$60,743	
GRADING				
ROADWAY EXCAVATION INCL. HAUL	C.Y.	345	\$15.00	\$ 5,175
UNSUITABLE FOUNDATION EXCAVATION INCL. HAUL	C.Y.	25	\$20.00	\$ 500
GRAVEL BORROW INCL. HAUL	C.Y.	1,090	\$15.00	\$ 16,350
EMBANKMENT COMPACTION	C.Y.	1,435	\$5.00	\$ 7,175
Total this section:			\$29,200	
DRAINAGE				
STORMWATER TREATMENT FACILITY (incl. pond ex. and control struct)	L.S.	1	\$22,620.00	\$ 22,620
Total this section:			\$22,620	
STORM SEWER				
CATCH BASIN TYPE 1	EACH	9	\$800.00	\$ 7,200
CATCH BASIN TYPE 2 48 IN. DIAM.	EACH	1	\$1,800.00	\$ 1,800
CORRUGATED POLY. STORM SEWER PIPE 12 IN. DIAM.	L.F.	985	\$15.00	\$ 14,775
CORRUGATED POLY. STORM SEWER PIPE 15 IN. DIAM.	L.F.	200	\$23.00	\$ 4,600
CORRUGATED POLY. STORM SEWER PIPE 24 IN. DIAM.	L.F.	135	\$35.00	\$ 4,725
Total this section:			\$33,100	
STRUCTURE				
BRIDGE	S.F.	2,000	\$150.00	\$ 300,000
EXISTING BRIDGE REMOVAL	S.F.	400	\$50.00	\$ 20,000
Total this section:			\$320,000	
SURFACING				
SELECT GRAVEL	TON	1,895	\$10.00	\$ 18,950
Total this section:			\$18,950	
ASPHALT CONCRETE PAVEMENT				
HMA CL. 1/2", PG 58-22	TON	735	\$40.00	\$ 29,400
ASPHALT TREATED BASE	TON	1,005	\$40.00	\$ 40,200
Total this section:			\$69,600	
EROSION CONTROL AND PLANTING				
SEEDING, FERTILIZING, AND MULCHING	ACRE	0.2	\$2,000.00	\$ 400
EROSION/WATER POLLUTION CONTROL	EST.	1.0	\$20,000.00	\$ 20,000
Total this section:			\$20,400	
TRAFFIC				
CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	2,535	\$9.00	\$ 22,815
PAINT LINE	L.F.	985	\$0.25	\$ 246

ITEM	UNIT	QTY	UNIT	TOTAL
PAINTED WIDE LINE	L.F.	145	\$0.75	\$ 109
PLASTIC TRAFFIC ARROW	EACH	2	\$50.00	\$ 100
PERMANENT SIGNING	L.S.	1	\$2,000.00	\$ 2,000
ILLUMINATION SYSTEM	L.S.	1	\$42,500.00	\$ 42,500
TEMPORARY TRAFFIC CONTROL DEVICES	L.S.	1	\$3,000.00	\$ 3,000
TRAFFIC CONTROL LABOR	HR	70	\$25.00	\$ 1,750
TRAFFIC CONTROL SUPERVISOR	HR	25	\$35.00	\$ 875
CONSTRUCTION SIGNS CLASS A	S.F.	40	\$20.00	\$ 800
Total this section:			<b>\$74,195</b>	
<b>OTHER ITEMS</b>				
STRUCTURE EXCAVATION CLASS B INCL. HAUL	C.Y.	200	\$15.00	\$ 3,000
SHORING OR EXTRA EXCAVATION CLASS B	S.F.	100	\$10.00	\$ 1,000
GRAVEL BACKFILL FOUNDATION CLASS B	C.Y.	15	\$15.00	\$ 225
WATER	mGAL	45	\$20.00	\$ 902
CONTRACTOR SURVEY	L.S.	1	\$10,000.00	\$ 10,000
MONUMENT CASE, COVER, AND PIPE	EACH	7	\$300.00	\$ 2,100
ROADSIDE CLEANUP	EST.	1	\$4,000.00	\$ 4,000
Total this section:			<b>\$21,227</b>	
Subtotal Construction				<b>\$670,035</b>
Contingency (20%)				\$134,007

<b>Estimated Project Construction Cost</b>	<b>\$804,042</b>
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Right-of-Way Take	S.F.	49,105	\$35.00	\$ 1,718,675
Parking Mitigation	Stall	44	\$10,000.00	\$ 440,000
Right-of-Way Cost Contingency (10%)				\$215,868
Wetland Mitigation Site	Lump Sum	1	\$500,000.00	\$ 500,000

<b>Subtotal</b>	<b>\$2,874,543</b>
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Design Engineering/ Project Management @ 15%	\$ 120,606
Survey Base Mapping	\$ 10,000
Geotechnical Engineering	\$ 11,000
Environmental documentation and permitting	\$ 100,000
Construction Engineering / Management @ 15%	\$ 120,606

<b>Estimated Total Project Cost</b>	<b>\$4,040,797</b>
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		FULL-WIDTH			REDUCED WIDTH		
ITEM	UNIT	QTY	UNIT	TOTAL	QTY	UNIT	TOTAL
PREPARATION							
MOBILIZATION	L.S.	1	\$45,014.62	\$ 45,015	1	\$37,452.34	\$ 37,452
CLEARING AND GRUBBING	ACRE	0.8	\$10,000.00	\$ 8,000	0.8	\$10,000.00	\$ 8,000
REMOVAL OF STRUCTURE AND OBSTRUCTIONS	L.S.	1	\$4,000.00	\$ 4,000	1	\$4,000.00	\$ 4,000
Total this section:				\$57,015	\$49,452		
GRADING							
ROADWAY EXCAVATION INCL. HAUL	C.Y.	2,560	\$15.00	\$ 38,400	1,960	\$15.00	\$ 29,400
UNSUITABLE FOUNDATION EXCAVATION INCL. HAUL	C.Y.	25	\$20.00	\$ 500	25	\$20.00	\$ 500
GRAVEL BORROW INCL. HAUL	C.Y.	25	\$15.00	\$ 375	25	\$15.00	\$ 375
EMBANKMENT COMPACTION	C.Y.	2,005	\$5.00	\$ 10,025	1,725	\$5.00	\$ 8,625
Total this section:				\$49,300	\$38,900		
DRAINAGE							
STORMWATER TREATMENT FACILITY (incl. pond ex. and control struct)	L.S.	1	\$29,400.00	\$ 29,400	1	\$29,400.00	\$ 29,400
Total this section:				\$29,400	\$29,400		
STORM SEWER							
CATCH BASIN TYPE 1	EACH	5	\$800.00	\$ 4,000	5	\$800.00	\$ 4,000
CATCH BASIN TYPE 2 48 IN. DIAM.	EACH	3	\$1,800.00	\$ 5,400	3	\$1,800.00	\$ 5,400
CORRUGATED POLY. STORM SEWER PIPE 12 IN. DIAM.	L.F.	1,440	\$15.00	\$ 21,600	1,395	\$15.00	\$ 20,925
CORRUGATED POLY. STORM SEWER PIPE 15 IN. DIAM.	L.F.	290	\$23.00	\$ 6,670	280	\$23.00	\$ 6,440
CORRUGATED POLY. STORM SEWER PIPE 24 IN. DIAM.	L.F.	195	\$35.00	\$ 6,825	195	\$35.00	\$ 6,825
Total this section:				\$44,495	\$43,590		
SURFACING							
SELECT GRAVEL	TON	4,265	\$10.00	\$ 42,650	3,275	\$10.00	\$ 32,750
Total this section:				\$42,650	\$32,750		
ASPHALT CONCRETE PAVEMENT							
HMA CL. 1/2", PG 58-22	TON	1,680	\$40.00	\$ 67,200	1,260	\$40.00	\$ 50,400
ASPHALT TREATED BASE	TON	2,285	\$40.00	\$ 91,400	1,725	\$40.00	\$ 69,000
Total this section:				\$158,600	\$119,400		
EROSION CONTROL AND PLANTING							
SEEDING, FERTILIZING, AND MULCHING	ACRE	1.0	\$2,000.00	\$ 2,000	1.0	\$2,000.00	\$ 2,000
EROSION/WATER POLLUTION CONTROL	EST.	1	\$15,000.00	\$ 15,000	1	\$15,000.00	\$ 15,000
Total this section:				\$17,000	\$17,000		
TRAFFIC							
CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	4,625	\$9.00	\$ 41,625	4,632	\$9.00	\$ 41,688
PAINT LINE	L.F.	4,090	\$0.25	\$ 1,023	25	\$0.25	\$ 6
PAINTED WIDE LINE	L.F.	215	\$0.75	\$ 161	100	\$0.75	\$ 75
PLASTIC STOP LINE	L.F.	75	\$4.50	\$ 338	75	\$4.50	\$ 338
PLASTIC TRAFFIC ARROW	EACH	18	\$50.00	\$ 900	2	\$50.00	\$ 100
PERMANENT SIGNING	L.S.	1	\$3,000.00	\$ 3,000	1	\$3,000.00	\$ 3,000
ILLUMINATION SYSTEM	L.S.	1	\$80,000.00	\$ 80,000	1	\$65,000.00	\$ 65,000
TEMPORARY TRAFFIC CONTROL DEVICES	L.S.	1	\$2,800.00	\$ 2,800	1	\$2,800.00	\$ 2,800
TRAFFIC CONTROL LABOR	HR	880	\$25.00	\$ 22,000	880	\$25.00	\$ 22,000
TRAFFIC CONTROL SUPERVISOR	HR	320	\$35.00	\$ 11,200	320	\$35.00	\$ 11,200
CONSTRUCTION SIGNS CLASS A	S.F.	80	\$20.00	\$ 1,600	80	\$20.00	\$ 1,600
Total this section:				\$164,646	\$147,807		



		FULL-WIDTH			REDUCED WIDTH		
ITEM	UNIT	QTY	UNIT	TOTAL	QTY	UNIT	TOTAL
OTHER ITEMS							
STRUCTURE EXCAVATION CLASS B INCL. HAUL	C.Y.	140	\$15.00	\$ 2,100	140	\$15.00	\$ 2,100
SHORING OR EXTRA EXCAVATION CLASS B	S.F.	80	\$10.00	\$ 800	80	\$10.00	\$ 800
GRAVEL BACKFILL FOUNDATION CLASS B	C.Y.	15	\$15.00	\$ 225	15	\$15.00	\$ 225
WATER	mGAL	95	\$20.00	\$ 1,907	74	\$20.00	\$ 1,483
CONTRACTOR SURVEY	L.S.	1	\$11,500.00	\$ 11,500	1	\$11,500.00	\$ 11,500
MONUMENT CASE, COVER, AND PIPE	EACH	8	\$300.00	\$ 2,400	8	\$300.00	\$ 2,400
CEMENT CONC. SIDEWALK	S.Y.	2,805	\$12.00	\$ 33,660	1,400	\$12.00	\$ 16,800
ROADSIDE CLEANUP	EST.	1	\$4,000.00	\$ 4,000	1	\$4,000.00	\$ 4,000
OFFSITE IMPROVEMENTS	EST.	1	\$120,000.00	\$ 120,000	1	\$75,000.00	\$ 75,000
Total this section:				\$176,592	\$114,308		
Subtotal Construction				\$739,697			\$592,607
Contingency (20%)				\$147,939			\$118,521

<b>Estimated Project Construction Cost</b>		<b>\$887,637</b>	<b>\$711,128</b>
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Right-of-Way Take	S.F.	67,480	\$35.00	\$ 2,361,800	62,940	\$35.00	\$ 2,202,900
Right-of-Way Cost Contingency (10%)				\$236,180			\$220,290
<b>R/W Subtotal</b>				<b>\$2,597,980</b>			<b>\$2,423,190</b>

Design Engineering/ Project Management @ 15%		\$ 133,146	\$ 106,669
Survey Base Mapping		\$ 10,000	\$ 10,000
Geotechnical Engineering		\$ 7,000	\$ 7,000
Environmental documentation and permitting		\$ 75,000	\$ 75,000
Construction Engineering / Management @ 15%		\$ 133,146	\$ 106,669
<b>Estimated Total Project Cost</b>		<b>\$3,843,908</b>	<b>\$3,439,656</b>

ITEM	UNIT	QTY	UNIT	TOTAL
PREPARATION				
MOBILIZATION	L.S.	1	\$7,798.00	\$ 7,798
CLEARING AND GRUBBING	ACRE	0.2	\$10,000.00	\$ 2,000
REMOVAL OF STRUCTURE AND OBSTRUCTIONS	L.S.	1	\$1,000.00	\$ 1,000
Total this section:			\$10,798	
GRADING				
ROADWAY EXCAVATION INCL. HAUL	C.Y.	440	\$15.00	\$ 6,600
UNSUITABLE FOUNDATION EXCAVATION INCL. HAUL	C.Y.	25	\$20.00	\$ 500
GRAVEL BORROW INCL. HAUL	C.Y.	10	\$15.00	\$ 150
EMBANKMENT COMPACTION	C.Y.	125	\$5.00	\$ 625
Total this section:			\$7,875	
DRAINAGE				
STORMWATER TREATMENT FACILITY (incl. pond ex. and control struct)	L.S.	N/A	\$0.00	
Total this section:			\$0	
STORM SEWER				
CATCH BASIN TYPE 1	EACH	6	\$800.00	\$ 4,800
CATCH BASIN TYPE 2 48 IN. DIAM.	EACH	-	\$1,800.00	\$ -
CORRUGATED POLY. STORM SEWER PIPE 12 IN. DIAM.	L.F.	405	\$15.00	\$ 6,075
CORRUGATED POLY. STORM SEWER PIPE 15 IN. DIAM.	L.F.	80	\$23.00	\$ 1,840
CORRUGATED POLY. STORM SEWER PIPE 24 IN. DIAM.	L.F.	55	\$35.00	\$ 1,925
Total this section:			\$14,640	
STRUCTURE				
BRIDGE	S.F.	N/A	\$150.00	
EXISTING BRIDGE REMOVAL	S.F.	N/A	\$50.00	
Total this section:			\$0	
SURFACING				
SELECT GRAVEL	TON	725	\$10.00	\$ 7,250
Total this section:			\$7,250	
ASPHALT CONCRETE PAVEMENT				
HMA CL. 1/2", PG 58-22	TON	280	\$40.00	\$ 11,200
ASPHALT TREATED BASE	TON	385	\$40.00	\$ 15,400
Total this section:			\$26,600	
EROSION CONTROL AND PLANTING				
SEEDING, FERTILIZING, AND MULCHING	ACRE	0.1	\$2,000.00	\$ 200
EROSION/WATER POLLUTION CONTROL	EST.	1.0	\$5,000.00	\$ 5,000
Total this section:			\$5,200	
TRAFFIC				
CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	1,020	\$9.00	\$ 9,180
PAINT LINE	L.F.	680	\$0.25	\$ 170

ITEM	UNIT	QTY	UNIT	TOTAL
PAINTED WIDE LINE	L.F.	100	\$0.75	\$ 75
PLASTIC TRAFFIC ARROW	EACH	5	\$50.00	\$ 250
PERMANENT SIGNING	L.S.	1	\$1,000.00	\$ 1,000
ILLUMINATION SYSTEM	L.S.	1	\$15,000.00	\$ 15,000
TEMPORARY TRAFFIC CONTROL DEVICES	L.S.	1	\$1,200.00	\$ 1,200
TRAFFIC CONTROL LABOR	HR	40	\$25.00	\$ 1,000
TRAFFIC CONTROL SUPERVISOR	HR	20	\$35.00	\$ 700
CONSTRUCTION SIGNS CLASS A	S.F.	20	\$20.00	\$ 400
Total this section:			\$28,975	
OTHER ITEMS				
STRUCTURE EXCAVATION CLASS B INCL. HAUL	C.Y.	80	\$15.00	\$ 1,200
SHORING OR EXTRA EXCAVATION CLASS B	S.F.	40	\$10.00	\$ 400
GRAVEL BACKFILL FOUNDATION CLASS B	C.Y.	5	\$15.00	\$ 75
WATER	mGAL	8	\$20.00	\$ 160
CONTRACTOR SURVEY	L.S.	1	\$2,500.00	\$ 2,500
MONUMENT CASE, COVER, AND PIPE	EACH	2	\$300.00	\$ 600
ROADSIDE CLEANUP	EST.	1	\$2,000.00	\$ 2,000
Total this section:			\$6,935	
Subtotal Construction				\$108,273
Contingency (20%)				\$21,655

<b>Estimated Project Construction Cost</b>	<b>\$129,928</b>
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Right-of-Way Take	S.F.	16,600	\$35.00	\$ 581,000
Parking Mitigation	Stall	-	\$10,000.00	\$ -
Right-of-Way Cost Contingency (10%)				\$58,100
Wetland Mitigation Site	Lump Sum	-	\$0.00	\$ -

<b>Subtotal</b>	<b>\$639,100</b>
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Design Engineering/ Project Management @ 15%	\$ 19,489
Survey Base Mapping	\$ 2,500
Geotechnical Engineering	\$ 2,500
Environmental documentation and permitting	\$ 10,000
Construction Engineering / Management @ 15%	\$ 19,489

<b>Estimated Total Project Cost</b>	<b>\$823,006</b>
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